

Our unique capability to combine components from both our cleanroom and in-plant office product lines enables us to meet cleanroom classification standards while preserving the advantages of a modular system.

## Cleanrooms



### Cleanroom Classification

- The truly modular, non-progressive construction with full panels offers maximum flexibility to adapt to new processes and equipment.
- The particle count increases by a factor of 10 with each rise in ISO classification.
- Another grading system used is the US federal standard, which is numbered 1, 10, 100, 10,000, and so on.
- Class 1 rooms contain 1 particle per 0.5 micrometer of cubic space, with the class numbers indicating the maximum number of particles allowed per 0.5 cubic micrometers.

### Cleanroom Filtration System

Cleanrooms typically use HEPA and ULPA filters for their filtration systems.

- Capable of removing up to 99.9% of airborne particulates through various airflow methods.
- Some cleanrooms use positive pressure to prevent particles from entering, while others use negative pressure to contain contaminants. The approach depends on the specific requirements of the workspace.